

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (canceled)

4. (currently amended) A method for manufacturing a lithium-nickel-cobalt-manganese-containing composite oxide represented by a general formula,  $\text{Li}_p\text{Ni}_x\text{Mn}_{1-x-y}\text{Co}_y\text{O}_{2-q}\text{F}_q$   ~~$\text{Li}_p\text{Ni}_x\text{Mn}_{1-x-y}\text{Co}_y\text{O}_{2-q}\text{F}_q$~~  (where  $0.98 \leq p \leq 1.07$ ,  $0.3 \leq x \leq 0.5$ ,  $0.1 \leq y \leq 0.38$ , and  $0 \leq q \leq 0.05$ ) according to claim 1, comprising:

a step for synthesizing coagulated particles of a nickel-cobalt-manganese composite hydroxide wherein primary particles obtained by precipitating the nickel-cobalt-manganese composite hydroxide are coagulated to form secondary particles, by supplying an aqueous solution of a nickel-cobalt-manganese salt, an aqueous solution of an alkali-metal hydroxide and an ammonium-ion donor continuously or intermittently to a reaction system, and making the reaction proceed in the a state wherein the temperature of said reaction system is substantially constant within a range between 30 and 70°C, and pH is maintained at a substantially constant value within a range between 10 and 13;

a step for synthesizing coagulated particles of a nickel-cobalt-manganese composite oxyhydroxide by making an oxidant act on said coagulated composite hydroxide particles; and

a step for dry-blending at least said coagulated composite oxyhydroxide particles and a lithium salt, and firing the mixture in an oxygen-containing atmosphere.

5. (original) The method for manufacturing a lithium-nickel-cobalt-manganese-containing composite oxide according to claim 4, wherein the lithium salt is lithium carbonate.

6. (currently amended) A material for a positive electrode active material for a lithium secondary cell consisting of coagulated particles of a nickel-cobalt-manganese composite oxyhydroxide represented by a general formula,  $\text{Ni}_x\text{Mn}_{1-x-y}\text{Co}_y\text{OOH}$   ~~$\text{Ni}_x\text{Mn}_{1-x-y}\text{Co}_y\text{OOH}$~~  (where  $0.3 \leq x \leq 0.5$ , and  $0.1 \leq y \leq 0.38$ ), formed by synthesizing coagulated particles of a nickel-cobalt-manganese composite hydroxide wherein primary particles obtained by precipitating the

nickel-cobalt-manganese composite hydroxide are coagulated to form secondary particles, by supplying an aqueous solution of a nickel-cobalt-manganese salt, an aqueous solution of an alkali-metal hydroxide and an ammonium-ion donor continuously or intermittently to a reaction system, and making the reaction proceed in ~~the~~ a state wherein the temperature of said reaction system is substantially constant within a range between 30 and 70°C, and pH is maintained at a substantially constant value within a range between 10 and 13; and making an oxidant act on said coagulated composite hydroxide particles.

7. (currently amended) The material for a positive electrode active material for a lithium secondary cell according to claim 6, ~~characterized in that the~~ wherein a specific surface area is 4 to 30  $\text{m}^2/\text{g}$  ~~m<sup>2</sup>/g~~.

8. (currently amended) The material for a positive electrode active material for a lithium secondary cell according to claim 6, ~~characterized in that the~~ wherein a density of ~~the~~ a compressed powder is 2.0  $\text{g}/\text{cm}^3$  ~~g/cm<sup>2</sup>~~ or more.

9. (currently amended) The material for a positive electrode active material for a lithium secondary cell according to claim 6, ~~characterized in that the~~ wherein a half-value width of ~~the~~ a diffraction peak when  $2\theta$  is  $19 \pm 1^\circ$  in X-ray diffraction using Cu-K $\alpha$  lines is 0.3 to 0.5°.

10. (currently amended) A method for manufacturing the material for a positive electrode active material for a lithium secondary cell represented by a general formula,  $\text{Ni}_x\text{Mn}_{1-x-y}\text{Co}_y\text{OOH}$   ~~$\text{Ni}_x\text{Mn}_{1-x-y}\text{Co}_y\text{OOH}$~~  (where  $0.3 \leq x \leq 0.5$ , and  $0.1 \leq y \leq 0.38$ ), according to claim 6, comprising:

a step for synthesizing the coagulated particles of a the nickel-cobalt-manganese composite hydroxide wherein the primary particles obtained by precipitating the nickel-cobalt-manganese composite hydroxide are coagulated to form the secondary particles, by supplying ~~an~~ the aqueous solution of a the nickel-cobalt-manganese salt, ~~an~~ the aqueous solution of ~~an~~ the alkali-metal hydroxide and ~~an~~ the ammonium-ion donor continuously or intermittently to a the reaction system, and making the reaction proceed in the state wherein the temperature of said reaction system is substantially constant within a the range between 30 and 70°C, and pH is maintained at a the

substantially constant value within a the range between 10 and 13; and

a step for synthesizing coagulated particles of a nickel-cobalt-manganese composite oxyhydroxide by making ~~an~~ the oxidant act on said coagulated composite hydroxide particles.